

Undergraduate Mathematics Colloquium

**Jacob Kesten
Sara Edelman-Muñoz
Rice University**

“What I Did Last Summer”

Friday November 16

Talk at 4:00 in Herman Brown 227

Tea at 3:30 in Herman Brown 438

AWM BBQ after the talk!

ABSTRACT: Come hear two Rice students talk about their summer research experiences! They will tell you about their projects and what they enjoyed about the experience. There will also be lots of time for questions so that you can learn about the opportunities available for you!

Jacob applied methods of discrete differential geometry and mathematical morphology to develop a new approach to a problem in computer graphics called “closing,” which produces a shrink-wrap effect around an object. Sara studied flexibility and rigidity of symplectic manifolds, by investigating when one of these objects can be embedded in another in a way that preserves certain geometric information.

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